

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of updating a database schema for a database on a communication terminal which stores a plurality of content data, characterized by comprising:

~~a requesting step of making a request~~ requesting that an update-information providing apparatus ~~should~~ provide update-information about a latest version of a program used for the content data on the communication terminal to install and update information about a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data;

~~a receiving step of~~ receiving the update-information about the program and the update-information about the database schema, both transmitted from the update-information providing apparatus in response to the request;

~~a program updating step of~~ updating the program in accordance with the update-information about the program;

~~a comparing step of~~ comparing the database schema used by the updated program with the database schema already used by the communication terminal mounted, in accordance with the update-information about the database schema, in terms of version; and

~~a database schema updating step of~~ updating the database schema used by the communication terminal mounted, in accordance with the update-information about the database schema, when it is determined in the comparing ~~step~~ that the database schema ~~mounted~~ needs to be updated.

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Claim 2 (Currently Amended): The method of updating a database schema, according to claim 1, ~~characterized in that~~ wherein in updating the database schema ~~updating step~~, accesses to the database from the program are inhibited while the database schema is being updated.

Claim 3 (Currently amended): The method of updating a database schema, according to claim 2, ~~characterized in that~~ wherein in updating the database schema ~~updating step~~, accesses to the database from any application in the program ~~[[is]]~~ are inhibited while the database schema is being updated.

Claim 4 (Currently Amended): The method of updating a database schema, according to claim 1, ~~characterized in that~~ wherein in updating the database schema ~~updating step~~, the database schema is inhibited from being updated while the program is accessing the database.

Claim 5 (Currently Amended): The method of updating a database schema, according to claim 4, ~~characterized in that~~ wherein in updating the database schema ~~updating step~~, the database schema is inhibited from being updated while any application in the program is accessing the database.

Claim 6 (Currently Amended): The method of updating a database schema, according to claim 1, ~~characterized in that~~ wherein in updating the database schema ~~updating step~~, log information is recorded for each command issued to the database to update the database schema.

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Claim 7 (Currently Amended): A communication terminal ~~characterized by~~  
comprising:

a processor;

a memory for storing a database which stores a plurality of content data;

requesting means for ~~making a request~~ requesting that an update-information  
providing apparatus ~~should~~ provide update-information about a latest version of a program  
used for the content data on the communication terminal ~~to install~~ and update information  
about a database schema corresponding to the latest version, the database schema indicating  
what types of information related to the content data can be stored in the database for each of  
the plurality of content data;

receiving means ~~[[of]]~~ for receiving the update-information about the program and the  
update-information about the database schema, both transmitted from the update-information  
providing apparatus in response to the request;

program-updating means for updating the program in accordance with the update-  
information about the program;

comparing means for comparing the database schema used by the updated program  
with the database schema already used by the communication terminal ~~mounted~~, in  
accordance with the update-information about the database schema, in terms of version; and

database schema updating means for updating the database schema used by the  
communication terminal ~~mounted~~, in accordance with the update-information about the  
database schema, ~~when the comparing mans determines that the database schema mounted~~  
needs to be updated.

Claim 8 (Currently Amended): A method of providing update-information to a communication terminal which has a database storing a plurality of content data,  
~~characterized by~~ comprising:

~~a storing step of~~ storing update-information for a latest version of a program used for the content data on the ~~to install in a~~ communication terminal and update-information for a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data; and

~~a transmitting step of~~ transmitting the update-information for the program and the update-information for the database schema ~~[[from]]~~ to the communication terminal when the communication terminal requests ~~[[for]]~~ the update-information for the program and the update-information for the database schema,

wherein the program is updated in the communication terminal in accordance with the update-information for the program, the database schema used by the program and the database schema ~~mounted~~ already used by the communication terminal are compared in terms of version in accordance with the update-information for the database schema, and the database schema ~~mounted~~ used by the communication terminal is updated in accordance with the update-information about the database schema, when it is determined from the result of comparison that the database schema ~~mounted~~ needs to be updated.

Claim 9 (Currently Amended): An update-information providing apparatus which provides update-information to a communication terminal which has a database storing a plurality of content data, characterized by the update-information providing apparatus comprising:

a processor;

storing means for storing update-information for a latest version of a program used for the content data on the ~~to install in a~~ communication terminal and update-information for a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data; and

transmitting means for transmitting the update-information for the program and the update-information for the database schema ~~from~~ to the communication terminal when the communication terminal requests ~~[[for]]~~ the update-information for the program and the update-information for the database schema,

wherein the program is updated in the communication terminal in accordance with the update-information for the program, the database schema used by the program and the database schema ~~mounted~~ already used by the communication terminal are compared in terms of version in accordance with the update-information for the database schema, and the database schema ~~mounted~~ used by the communication terminal is updated in accordance with the update-information about the database schema, when it is determined from the result of comparison that the database schema ~~mounted~~ needs to be updated.

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Claim 10 (Currently Amended): ~~A program for updating a database schema, designed to cause an information processing apparatus to perform:~~ A computer readable storage medium encoded with computer executable instructions, which when executed by a

computer, cause a communication terminal, which includes a database storing a plurality of content data, to perform a method for updating a database schema comprising:

~~a requesting step of making a request~~ requesting that an update-information providing apparatus ~~should~~ provide update-information about a latest version of a program used for the content data on the communication terminal ~~to install~~ and update information about a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data;

~~a receiving step of~~ receiving the update-information about the program and the update-information about the database schema, both transmitted from the update-information providing apparatus in response to the request;

~~a program updating step of~~ updating the program in accordance with the update-information about the program;

~~a comparing step of~~ comparing the database schema used by the updated program with the database schema already used by the communication terminal ~~mounted~~, in accordance with the update-information about the database schema, in terms of version; and

~~a database schema updating step of~~ updating the database schema used by the communication terminal ~~mounted~~, in accordance with the update-information about the database schema, when it is determined in the comparing ~~step~~ that the database schema ~~mounted~~ needs to be updated.

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Claim 11 (Currently Amended): ~~A program for providing update information, designed to cause an information processing apparatus to perform:~~ A computer readable storage medium encoded with computer executable instructions, which when executed by a computer, cause an update-information providing apparatus to perform a method for

providing update information to a communication terminal which has a database storing a plurality of content data, the method comprising:

a ~~storing step~~ of storing update-information for a latest version of a program used for the content data on the ~~to install in~~ a communication terminal and update-information for a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data; and

a ~~transmitting step~~ of transmitting the update-information for the program and the update-information for the database schema [[from]] to the communication terminal when the communication terminal requests [[for]] the update-information for the program and the update-information for the database schema,

wherein the program is updated in the communication terminal in accordance with the update-information for the program, the database schema used by the program and the database schema already used by the communication terminal are compared in terms of version in accordance with the update-information for the database schema, and the database schema used by the communication terminal is updated in accordance with the update-information about the database schema, when it is determined from the result of comparison that the database schema needs to be updated ~~said program causing the communication terminal to update the program in accordance with the update information for the program, to compare the database schema used by the program and the database schema mounted in terms of version in accordance with the update information for the database schema, and update the database schema mounted in accordance with the updated information about the database schema, when it is determined from the result of comparison that the database schema mounted needs to be updated.~~

Claim 12 (New): A communication terminal comprising:

a processor;

a memory for storing a database which stores a plurality of content data;

requesting unit configured to request that an update-information providing apparatus provide update-information about a latest version of a program used for the content data on the communication terminal and update information about a database schema corresponding to the latest version, the database schema indicating what types of information related to the content data can be stored in the database for each of the plurality of content data;

a receiving unit configured to receive the update-information about the program and the update-information about the database schema, both transmitted from the update-information providing apparatus in response to the request;

a program-updating unit configured to update the program in accordance with the update-information about the program;

a comparing unit configured to compare the database schema used by the updated program with the database schema already used by the communication terminal, in accordance with the update-information about the database schema, in terms of version; and

a database schema updating unit configured to update the database schema used by the communication terminal, in accordance with the update-information about the database schema, when the comparing unit determines that the database schema needs to be updated.